राज्य शिक्षा केन्द्र म.प्र^{ेट्} भोपाल पुनः परीक्षा सत्र 2028-24 विषय - गणित (अंग्रेजी महित्रम)

Time $2\frac{1}{2}$ hrs. Class · 8 \pm Multiple Choice Questions. (Q. 1 to 5) Instructions- There are 4 options given for each question. Choose the converte. Each question carries 1 mark. Q.1 $\left(\frac{2}{3}\right) - \left(-\frac{2}{3}\right) = ?$ (A) $\frac{2}{3}$ (B) $\frac{-2}{3}$ (C) $\frac{2}{3}$ (D) Q.2 The liner equation of one variable is . (A) $2x + 3 = 0$ (B) $2x + y = 0$ (C) $\frac{2}{3}$ (D) Q.3 The measure of the convergence of t	M.M. 60
Multiple Choice Questions. (Q. 1 to 5) Instructions- There are 4 options given for each question. Choose the converte. Each question carries 1 mark. Q.1 $\left(\frac{2}{3}\right) - \left(-\frac{2}{3}\right) = ?$ (A) $\frac{2}{3}$ (B) $\frac{-2}{3}$	M.M. 60
Instructions- There are 4 options given for each question. Choose the converte. Each question carries 1 mark. Q.1 $\left(\frac{2}{3}\right) - \left(-\frac{2}{3}\right) = ?$ (A) $\frac{2}{3}$ (B) $\frac{-2}{3}$	139-161' OA
write. Each question carries 1 mark. Q.1 $\left(\frac{2}{3}\right) - \left(-\frac{2}{3}\right) = ?$ (A) $\frac{2}{3}$ (B) $\frac{-2}{3}$	
Q.1 $\left(\frac{2}{3}\right) - \left(-\frac{2}{3}\right) = ?$ (A) $\frac{2}{3}$ (B) $\frac{-2}{3}$	
$\frac{(2)}{3} - (-\frac{2}{3}) = ?$ $\frac{(A)}{3} = \frac{2}{3}$ $\frac{(B)}{3} = \frac{2}{3}$	Fi201 postine - 1
(A) $\frac{2}{3}$ (B) $\frac{-2}{3}$	eet option and
$(A) = \frac{1}{3}$ $(B) = \frac{2}{3}$ $(B) = \frac{2}{3}$	
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Q.2 The line require (C) (C) (D)	-4
Q.2 The liner equation of one variable is (C) (C) (D) (A) $2x+3=0$ (B) (D)	3
(A) $2x+3=0$ (B) $2x+y=0$ (C)	/11
Q.3 The mass (C) (C) (D)	xy = 3 (1)
The measure of three angles of	~y — 3
the fourth angle will be -	i leasure of
(A) 75° (B) 90° (C) $\Re s$	(1)
Q.4 441 is the arm $\frac{(C) \frac{135^{\circ}}{2}}{2}$ (D) 2	225*
Q.4 441 is the square of which number?	
(A) 19 (B) 21 (C) 26 (D)	(1)
$Q.5 \qquad \frac{1}{1} \qquad (C) \qquad (D) :$	26
1000000 metre is equal to -	
\sim	(1)
(A) 75° (B) 90° (C) 135° (D) 2 Q.4 441 is the square of which number? (A) 19 (B) 21 (C) 21 (D) 2 Q.5 $\frac{1}{1000000}$ metre is equal to- (A) 10° metre (B) 10° metre (C) 10° metre (D)	-10
Fig. (c) g_1 metre (d)	6 metre
Fill in the blanks. (Q. 6 to 10)	
Instructions- Fill in the following blanks. Each question carries 1 mark.	
2.6 Additive identify of part in a 2	
reductive identity of Rational number $\frac{1}{L}$ is	(1)
Square is a type of Rectangle in which all the sides are	
7.8 The information collected in the same are	(1
The information collected in the form of numbers is called	a
9 Thomas S	(1
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. 10 The value of 4° will be	*
<u> </u>	(1
ry Short Answer Type Questions, (O. 11 to 16)	
structions - Solve the following questions. Each question carries 2 may	-la_
How many sides does a regular polygon have if each of its exterior	angle is 60° C
	Pro 19 00 . (
$(1) \qquad \stackrel{\sum}{\gtrsim}$	P.T.

Find the value of 8-1 x 51 Q. 12 (2) Q. [3 Which proportion is there in the following-(2) i. The time taken for a fixed journey and the speed of the vehicle. ii. The population of a country and the area offend per person. An electric pole, 14 metres high, casts a shadow of 10 metres. Find the height Q: 14 of a tree that casts a shadow of 15 metres undersimilar conditions. (2)Q. 15 (2) Find the square of 35 using 'Ekadhiken Purven' method. Find cube of 32 by using formula $(a+b)^2 = a^3 + 3a^2b + 3ab^2 + b^3$ O. 16 (2) Short Answer Type Questions. (Q. 17. to 22) Instructions- Solve the following questions. Each question carries 3 marks. Find the value of $\left\{ \left(\frac{9}{16} \right) \times \left(\frac{4}{12} \right) \right\} + \left\{ \left(\frac{9}{16} \right) \times \left(\frac{-3}{9} \right) \right\}$ by using the O.17. (3) distributive property. Solve the following: $5x + \frac{7}{2} = \frac{3}{2}x - 14$ (3) Q.18. The age of 20 teachers (in years) is given-Q.19. Number of teachers Age (in years) Observe the above graph and answer the following questions -(3) (i) What is the information given by the graph? (ii) Which age group has least member of teachers? (iii) How many teachers are there in the least æe group? Find the third member of the pythagorean triplet whose two members are 6 and 8. (3) Q.20 Anju makes a cuboid of plasticine, whose sides measure 5cm., 2cm. and 5cm. Q.21 How many such cuboids are required to make a cube? (3) 72% of 25 students are interested in Mathematics. How many are not interested Q.22 (3) in Mathmatics? Long Answer Type Questions. (Q. 23 to 26) Instructions- Solve the following questions. Each question carries 5 marks. (5) Solve: (a+b+c)(a+b-c)Q.23 In a building there are 25 cylindrical pillars The radius of each pillar is 35 cm. Q.24 and height is 5 metres. Find the total cost of Bainting all pillars at the rate of (5) ₹7 per square metre. Factorise $4y(z^2+6z-16)$ and divide it by 2y(z+8)(5) 0.25(5)Plot a graph to show the following data-Q.26 25 20 No. of litres of petrol 15 10 750 1000 1250 500 Cost of petrol in ₹ (2)